FIG. 1

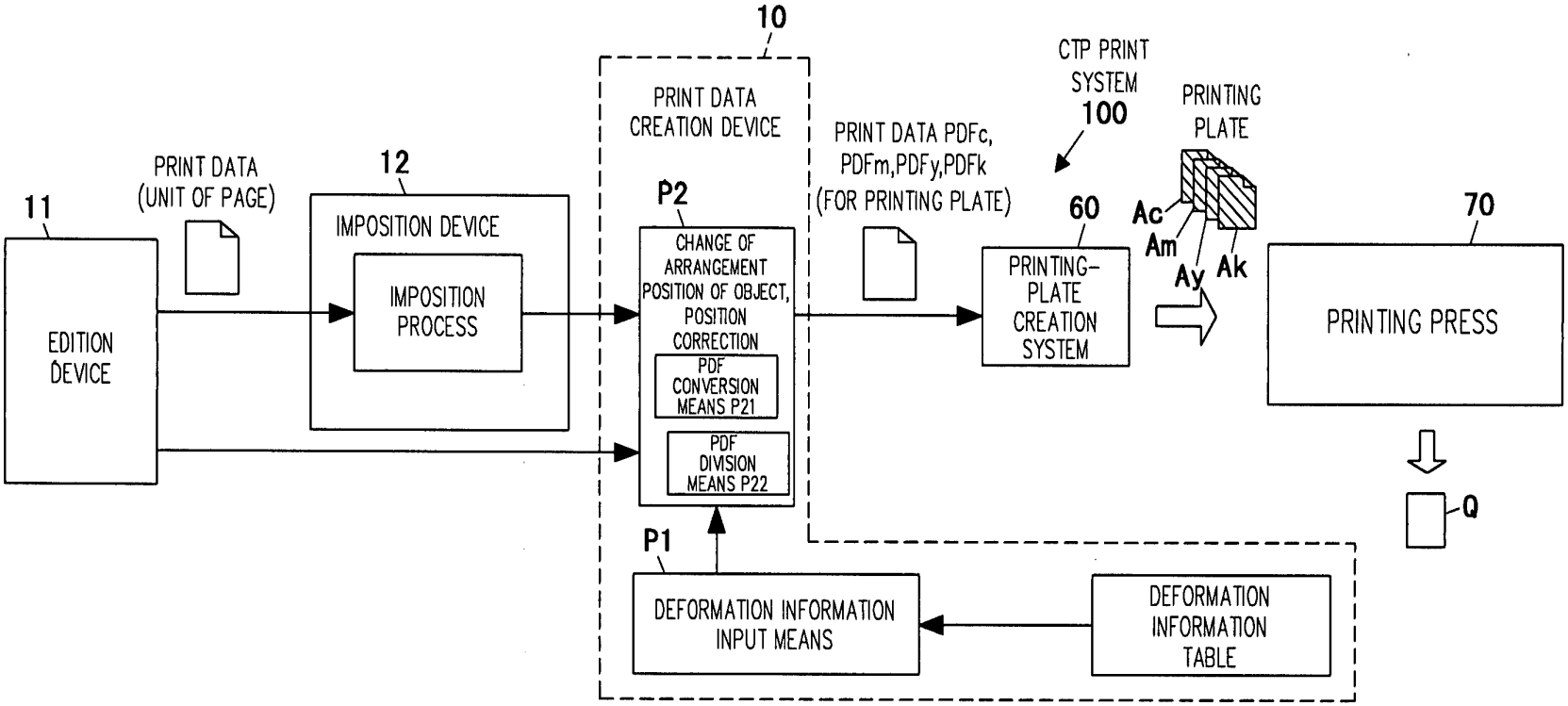
10
PRINT DATA CREATION DEVICE
CTP PRINT SYSTEM
100
PRINTING PLATE
PRINT DATA (UNIT OF PAGE)
12
11
IMPOSITION DEVICE
P2
PRINT DATA PDFc, PDFm,PDFy,PDFk (FOR PRINTING PLATE)
60
70
Ac
Am
Ay
Ak
EDITION DEVICE
IMPOSITION PROCESS
CHANGE OF ARRANGEMENT POSITION OF OBJECT, POSITION CORRECTION
PDF CONVERSION MEANS P21
PDF DIVISION MEANS P22
PRINTING-PLATE CREATION SYSTEM
PRINTING PRESS
Q
P1
DEFORMATION INFORMATION INPUT MEANS
DEFORMATION INFORMATION TABLE

FIG. 2

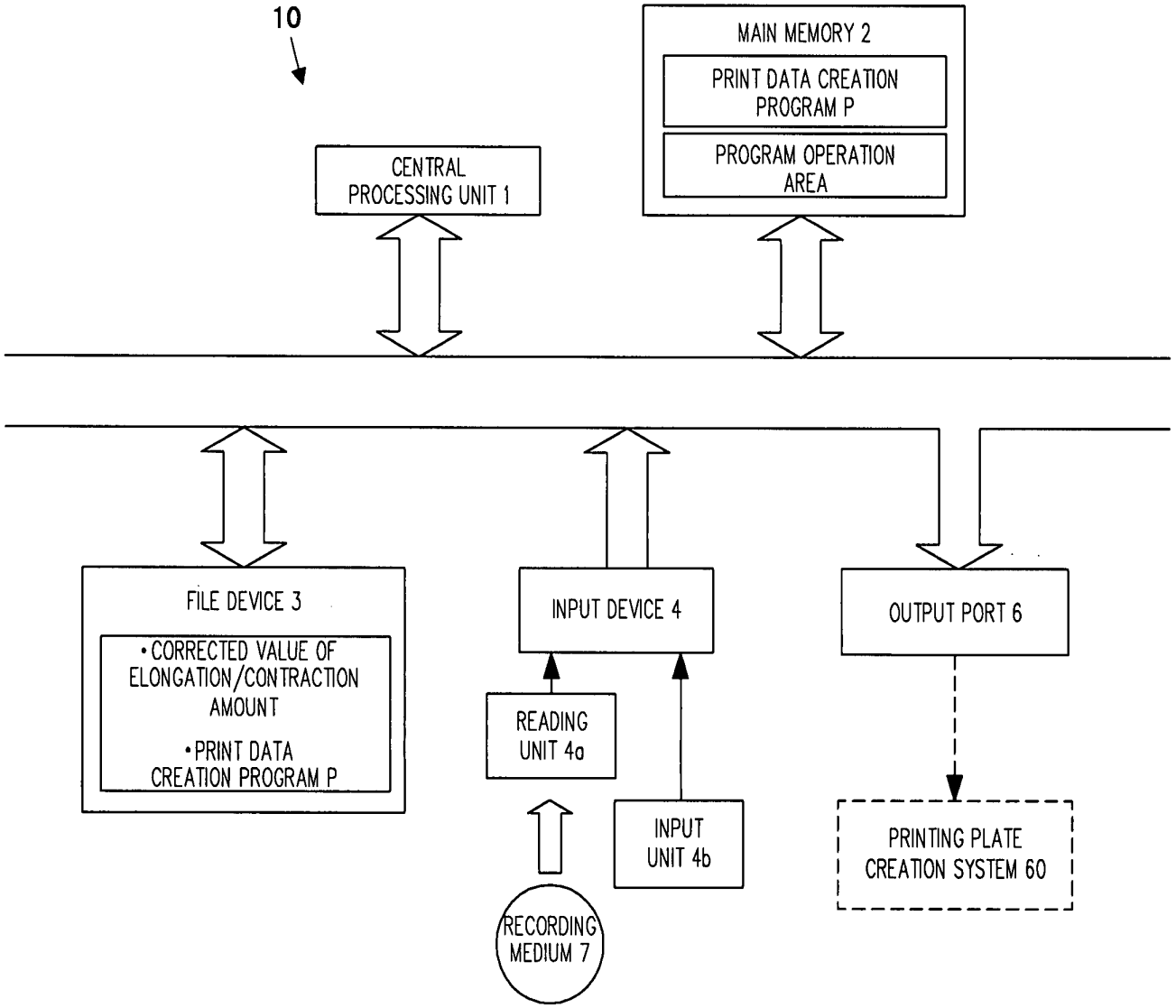
10
MAIN MEMORY 2
PRINT DATA CREATION PROGRAM P
PROGRAM OPERATION AREA
CENTRAL PROCESSING UNIT 1
FILE DEVICE 3
• CORRECTED VALUE OF ELONGATION/CONTRACTION AMOUNT
• PRINT DATA CREATION PROGRAM P
INPUT DEVICE 4
READING UNIT 4a
INPUT UNIT 4b
RECORDING MEDIUM 7
OUTPUT PORT 6
PRINTING PLATE CREATION SYSTEM 60

FIG. 3

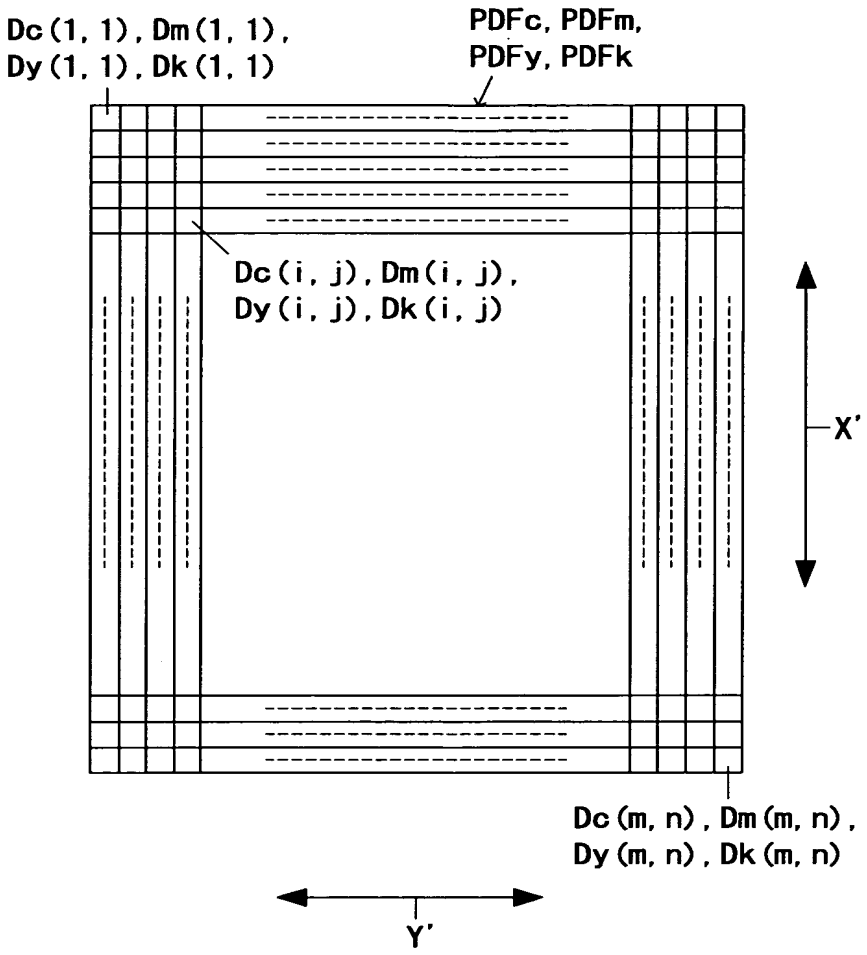
Dc (1, 1), Dm (1, 1),
Dy (1, 1), Dk (1, 1)
PDFc, PDFm,
PDFy, PDFk
Dc (i, j), Dm (i, j),
Dy (i, j), Dk (i, j)
X'
Dc (m, n), Dm (m, n),
Dy (m, n), Dk (m, n)
Y'

FIG. 4

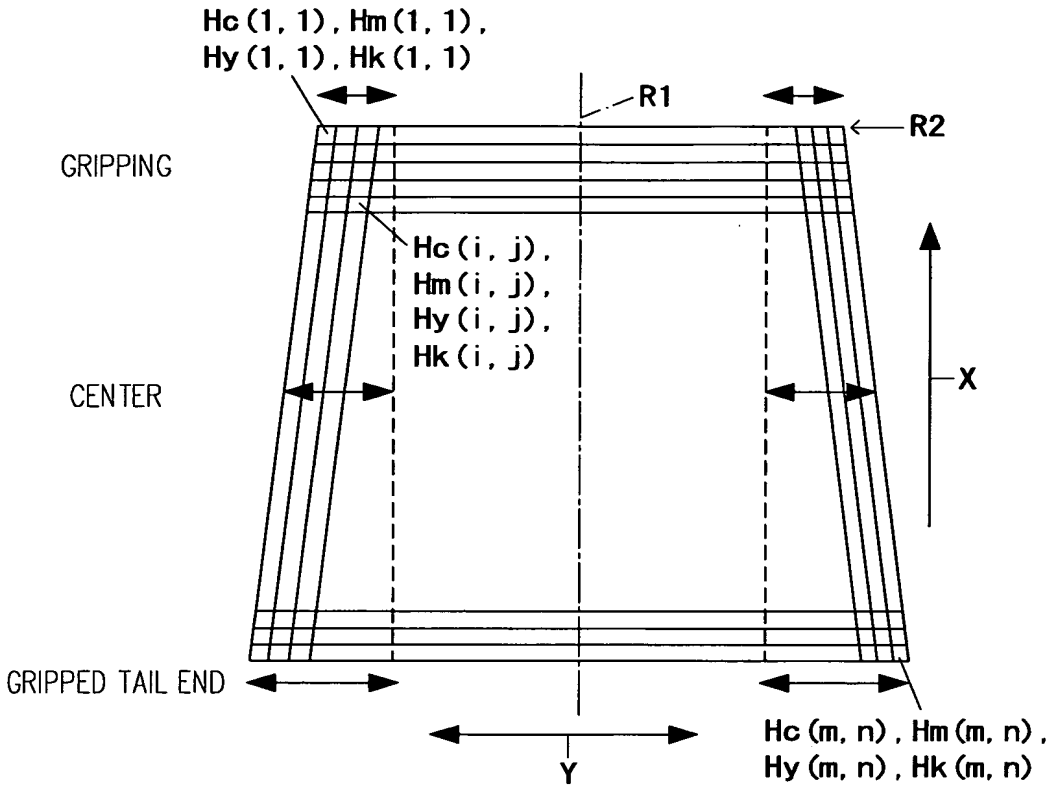
Hc (1, 1), Hm (1, 1),
Hy (1, 1), Hk (1, 1)
R1
R2
GRIPPING
Hc (i, j),
Hm (i, j),
Hy (i, j),
Hk (i, j)
CENTER
X
GRIPPED TAIL END
Y
Hc (m, n), Hm (m, n),
Hy (m, n), Hk (m, n)

FIG. 5

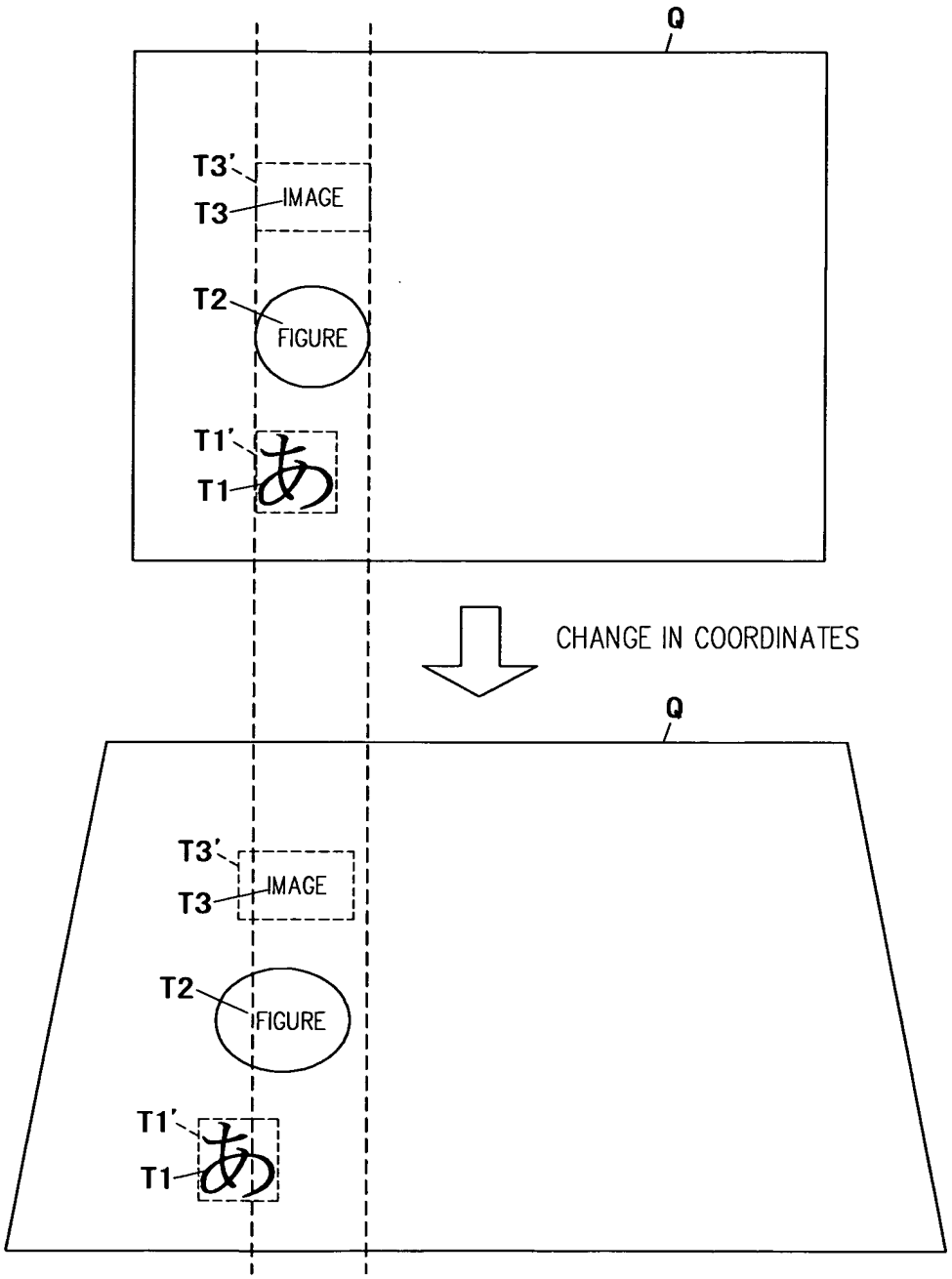
Q
T3'
T3
IMAGE
T2
FIGURE
T1'
T1
あ
CHANGE IN COORDINATES
Q
T3'
T3
IMAGE
T2
FIGURE
T1'
T1
あ

FIG. 6

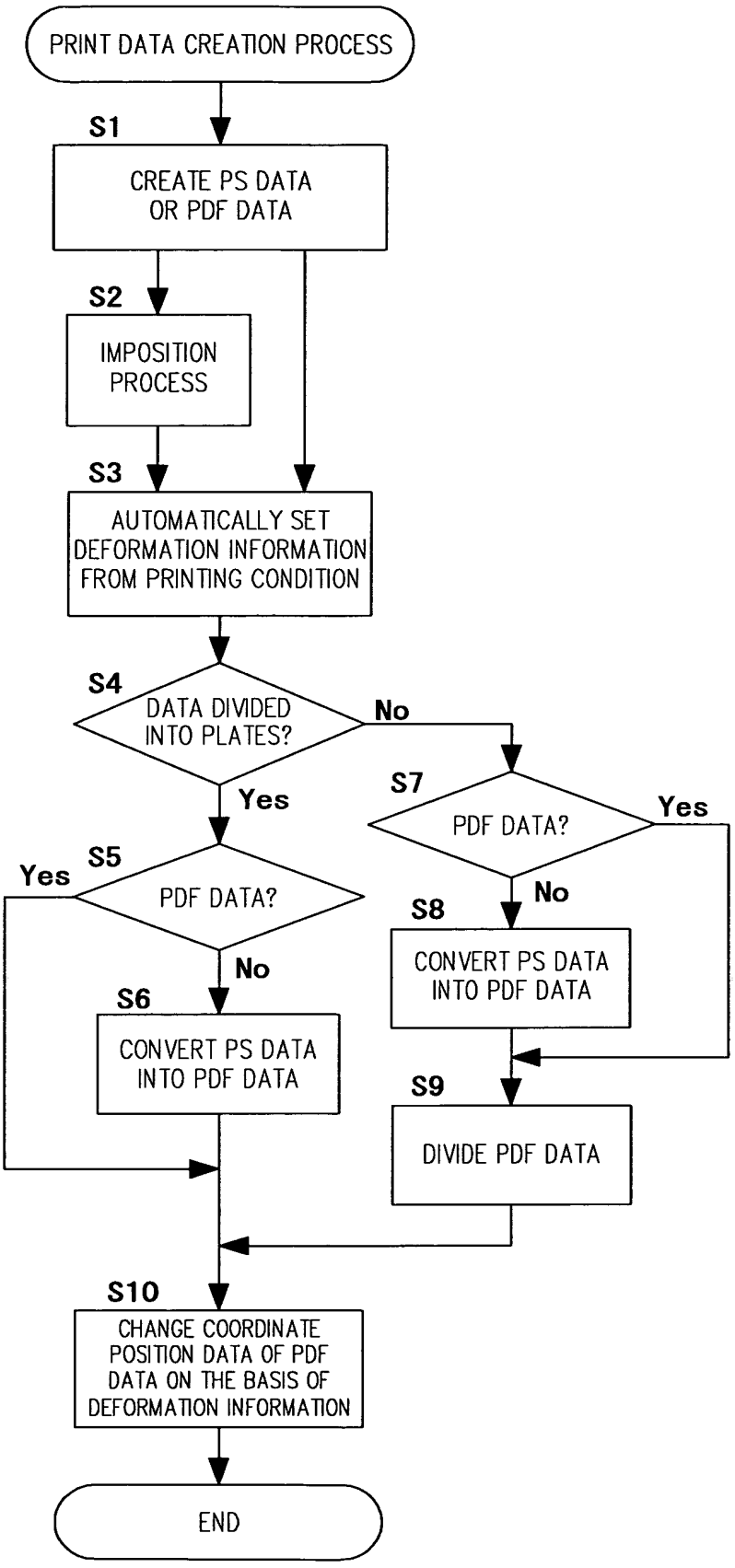
PRINT DATA CREATION PROCESS
S1
CREATE PS DATA OR PDF DATA
S2
IMPOSITION PROCESS
S3
AUTOMATICALLY SET DEFORMATION INFORMATION FROM PRINTING CONDITION
S4
DATA DIVIDED INTO PLATES?
No
Yes
S5
PDF DATA?
Yes
No
S6
CONVERT PS DATA INTO PDF DATA
S7
PDF DATA?
Yes
No
S8
CONVERT PS DATA INTO PDF DATA
S9
DIVIDE PDF DATA
S10
CHANGE COORDINATE POSITION DATA OF PDF DATA ON THE BASIS OF DEFORMATION INFORMATION
END

FIG. 7(A)

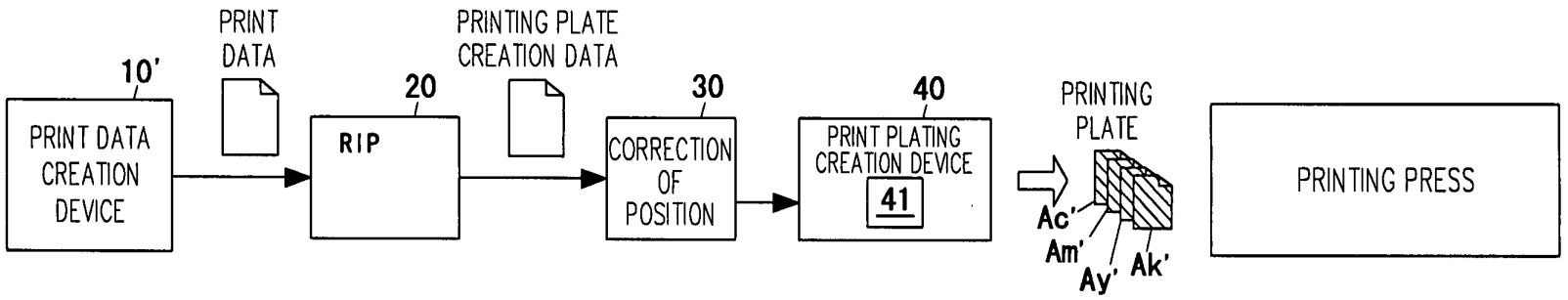

FIG. 7(B)

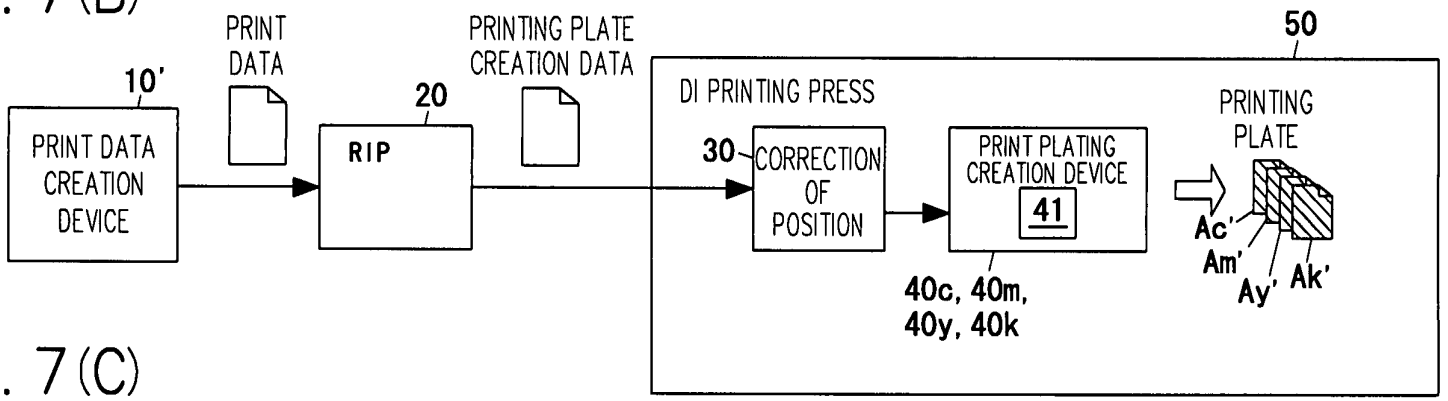

FIG. 7(C)

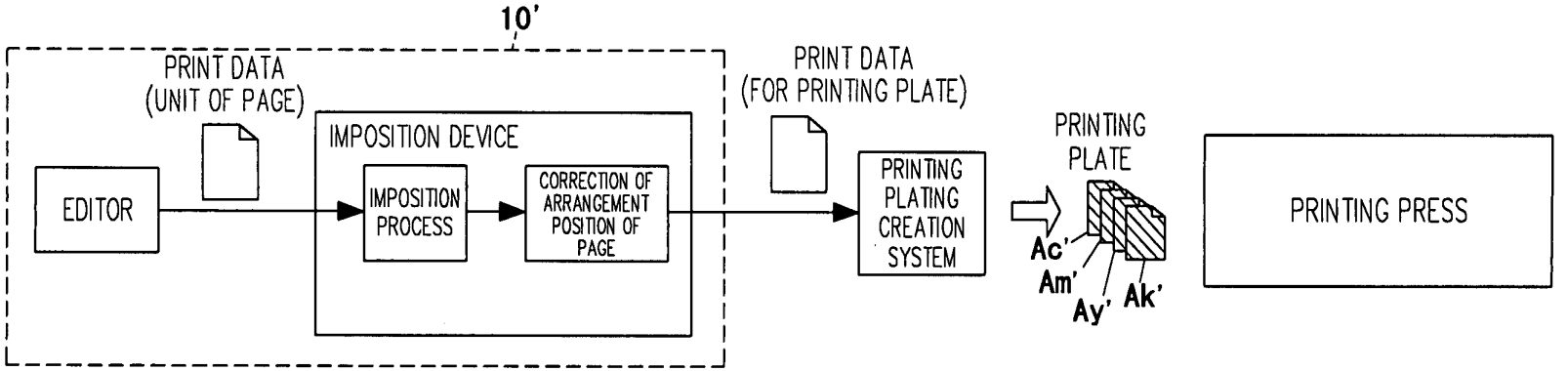

FIG. 8

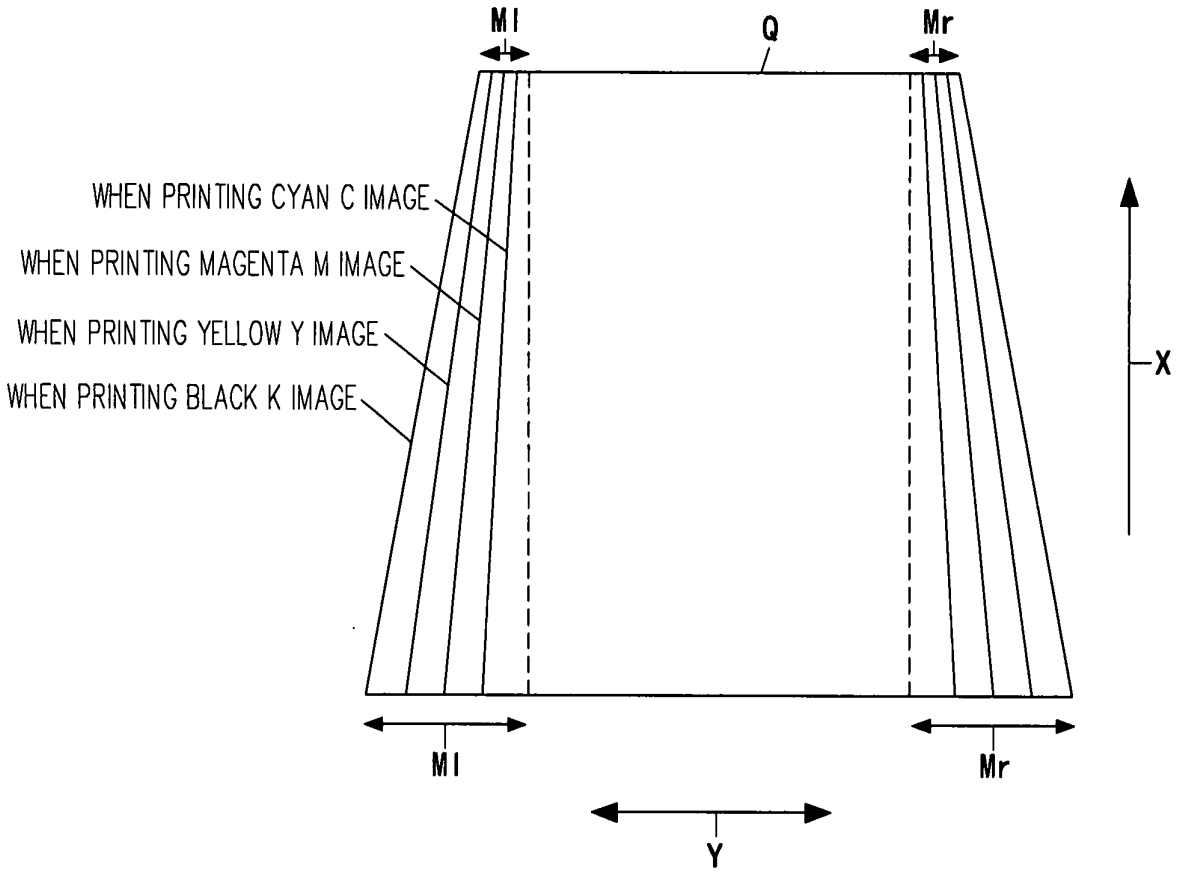
Ml
Q
Mr
WHEN PRINTING CYAN C IMAGE
WHEN PRINTING MAGENTA M IMAGE
WHEN PRINTING YELLOW Y IMAGE
WHEN PRINTING BLACK K IMAGE
X
Ml
Mr
Y

FIG. 9(A)

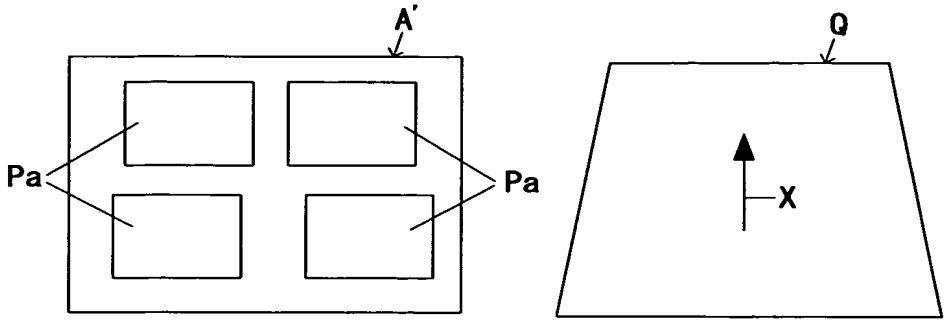

FIG. 9(B)

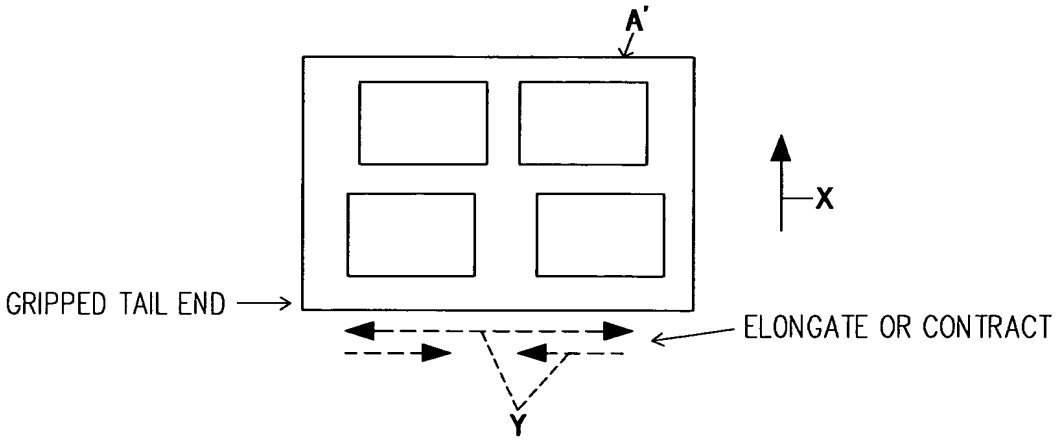
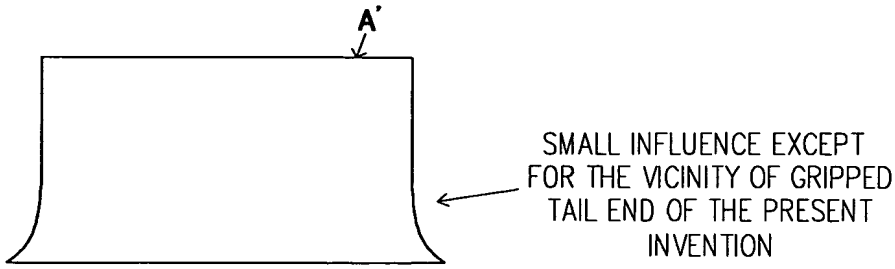
FIG. 9(C)